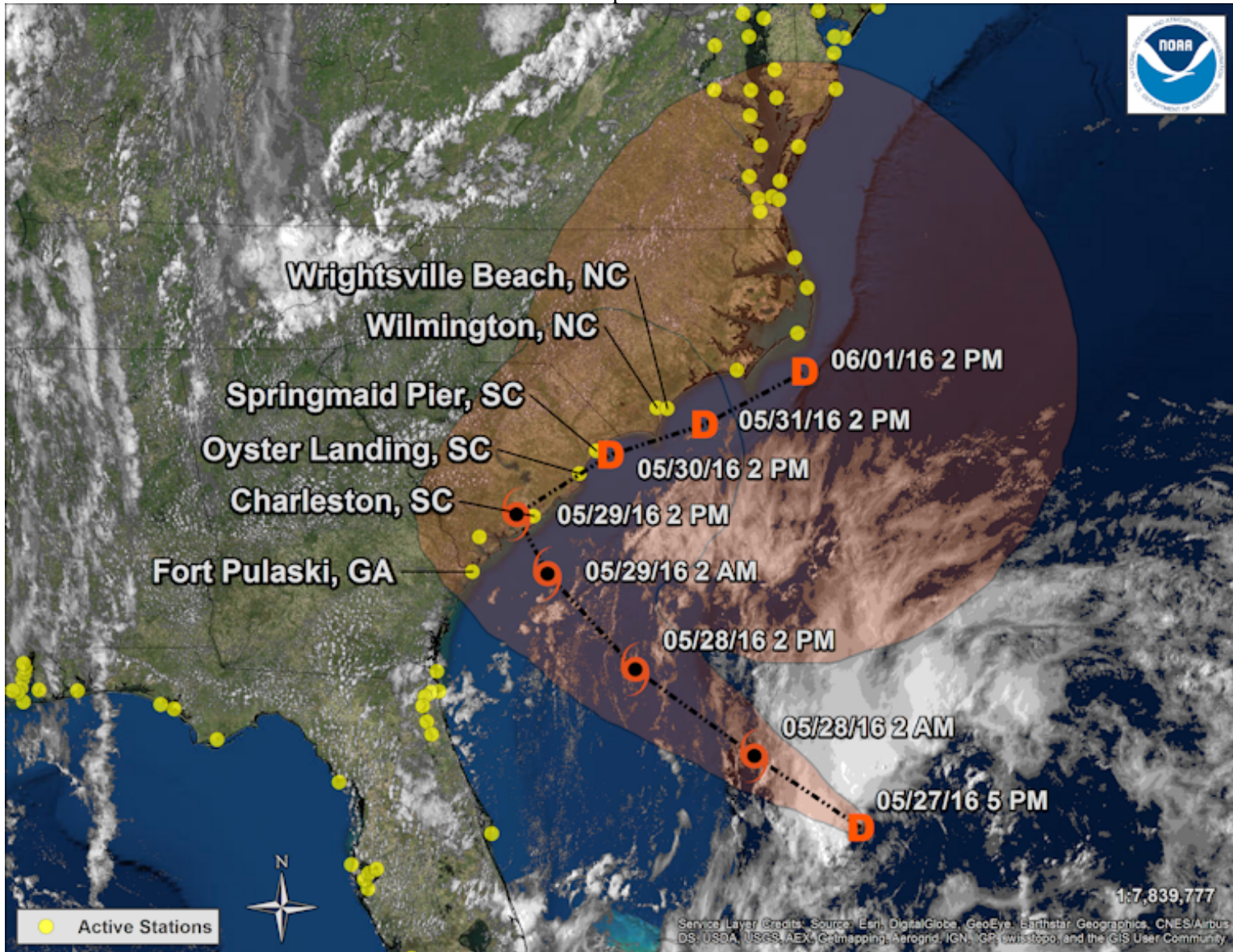




Tropical Depression TWO QuickLook  
Posted: 18:00 EDT 05/27/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/27/2016 18:00 EDT, water levels from Northern Georgia to Wilmington, NC are at or near normal and range between 0.10 to 0.60 ft above normal tide levels. Winds are currently steady, with gusts of only 10-15 knots. Barometric pressure is gradually falling across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION TWO ADVISORY NUMBER 1  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 PM EDT FRI MAY 27 2016

...SECOND TROPICAL CYCLONE OF THE SEASON FORMS OFF OF THE SOUTHEASTERN UNITED STATES...

...TROPICAL STORM WARNING ISSUED FOR COASTAL SOUTH CAROLINA...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

A Tropical Storm Warning has been issued for the coast of South Carolina from the Savannah River northeastward to Little River Inlet.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

\* Savannah River to Little River Inlet South Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

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At 500 PM EDT, the center of Tropical Depression Two was located about 435 miles SE of Charleston, SC. The depression is moving west-northwest near 13 mph and this general motion is expected to continue for the next 24 hours. A reduction of the forward speed is expected by Saturday night as the system nears the coast.

Maximum sustained winds are near 35 mph with higher gusts. Some strengthening is forecast during the next 48 hours, and the depression is expected to become a tropical storm later tonight or on Saturday.

The estimated minimum central pressure is 1009 mb.

## HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected to first reach the coast within the warning area by Saturday night, making outside preparations difficult.

RAINFALL: The depression is expected to produce total rainfall accumulations of 2 to 4 inches from the upper coast of Georgia through eastern South Carolina and into southeastern North Carolina.

STORM SURGE: Storm surge inundation of 1 to 2 feet above ground level is expected within the tropical storm warning area.

## NEXT ADVISORY

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Next intermediate advisory at 800 PM EDT.

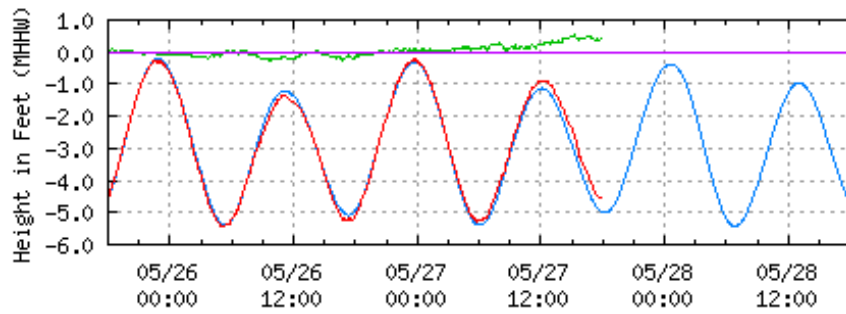
Next complete advisory at 1100 PM EDT.

Forecaster Stewart

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#)

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/27/2016 17:54 (EDT). Data relative to MHHW

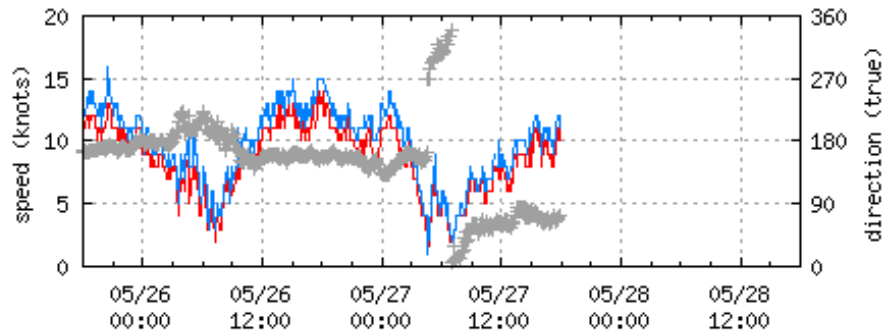
Observed: -4.53 ft. Predicted: -4.98 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/28/2016 00:36 (EDT), -0.37 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction

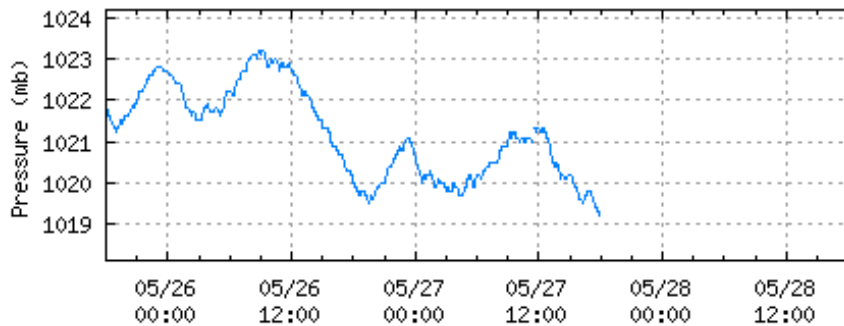


speed — gusts — direction +

Last Observed Sample: 05/27/2016 17:54 (EDT)

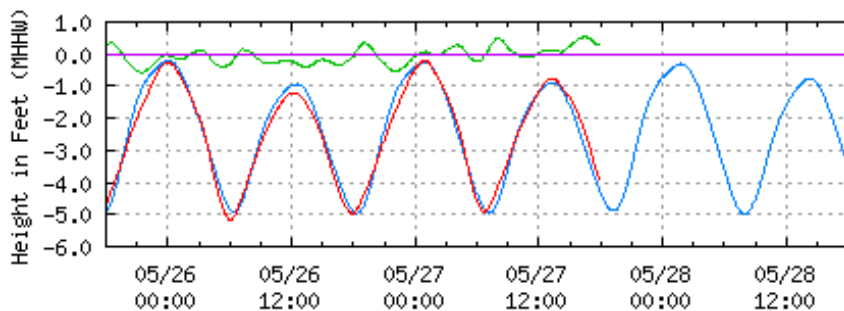
Wind Speed: 11 knots Gusts: 12 knots Direction: 74° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/27/2016 17:54 (EDT)  
Barometric Pressure: 1019.2 mb

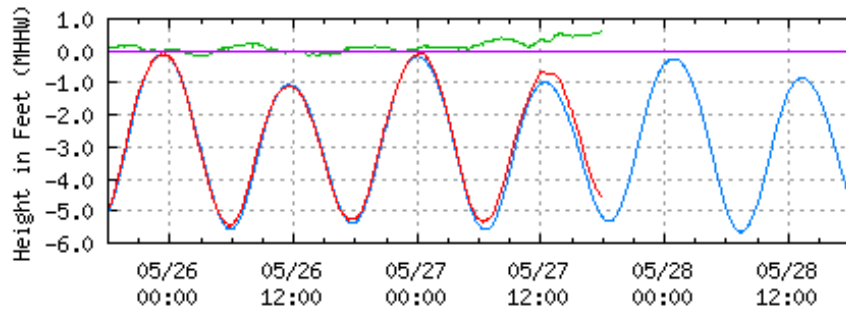
NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/27/2016 17:54 (EDT). Data relative to MHHW  
**Observed: -3.96 ft. Predicted: -4.25 ft. Residual: 0.29 ft.**  
Historical Maximum Water Level: Aug 26 2011, 2.40 ft.  
Next High Tide: 05/28/2016 01:47 (EDT), -0.31 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

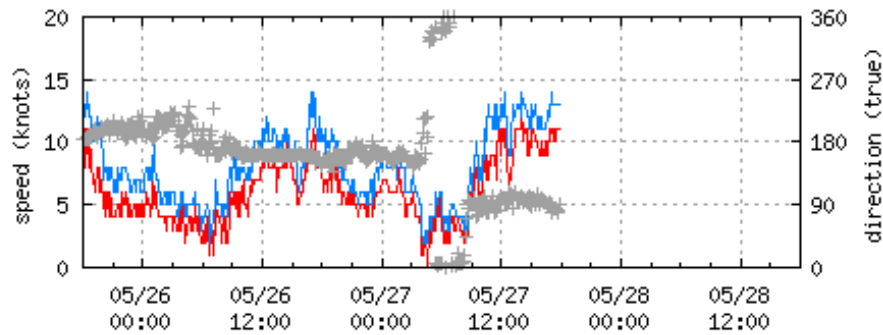
Last Observed Sample: 05/27/2016 17:54 (EDT). Data relative to MHHW

Observed: -4.55 ft. Predicted: -5.16 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/28/2016 00:52 (EDT), -0.24 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Wind Speed / Gusts / Direction

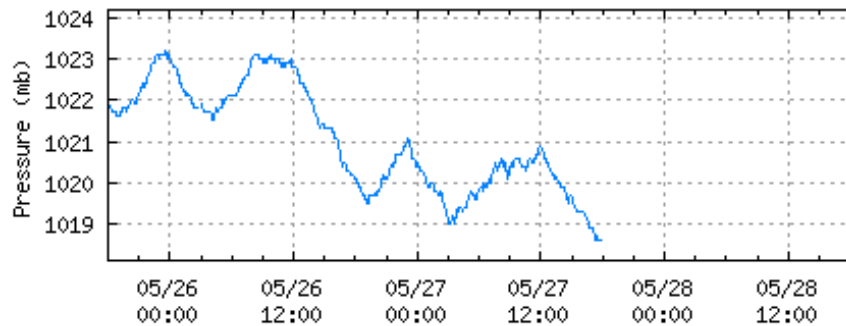


speed — gusts — direction +

Last Observed Sample: 05/27/2016 17:54 (EDT)

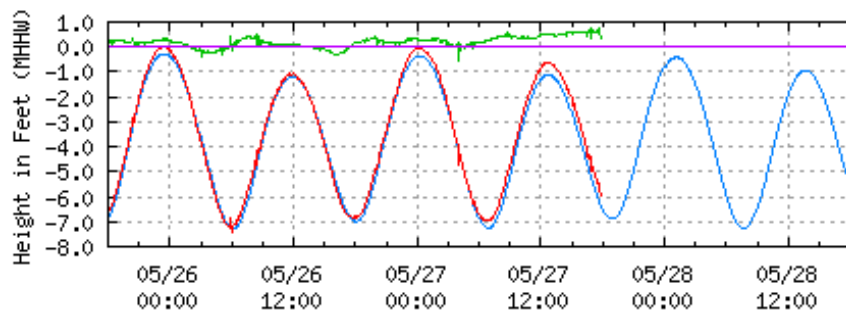
Wind Speed: 11 knots Gusts: 13 knots Direction: 76° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/27/2016 17:54 (EDT)  
Barometric Pressure: 1018.7 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/27/2016 17:48 (EDT). Data relative to MHHW

Observed: -5.96 ft. Predicted: -6.34 ft. Residual: 0.38 ft.

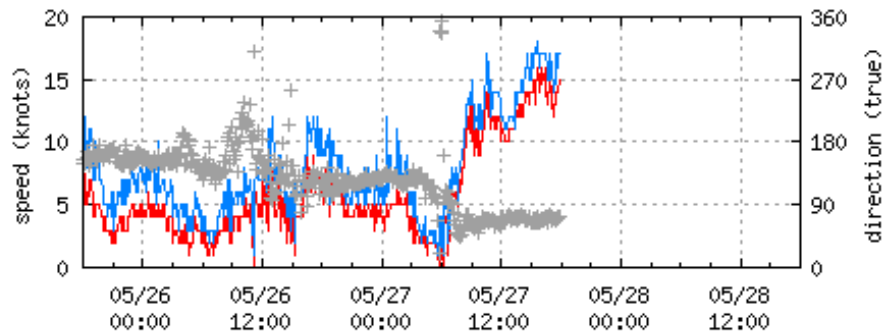
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/28/2016 01:09 (EDT), -0.42 ft.



NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Wind Speed / Gusts / Direction



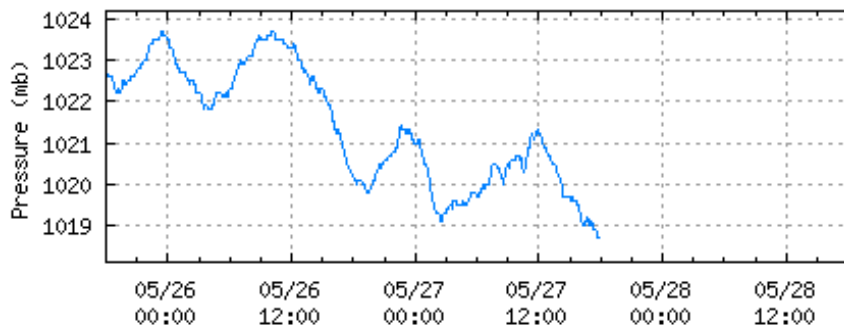
speed — gusts — direction +

Last Observed Sample: 05/27/2016 17:48 (EDT)

Wind Speed: 15 knots Gusts: 17 knots Direction: 72° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Barometric Pressure



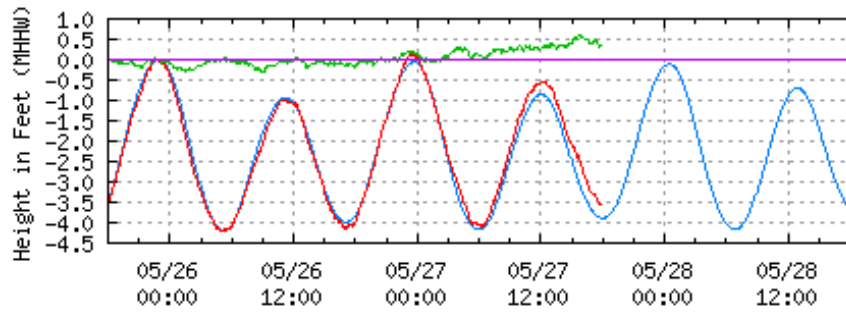
barometric pressure —

Last Observed Sample: 05/27/2016 17:48 (EDT)

Barometric Pressure: 1018.7 mb



NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

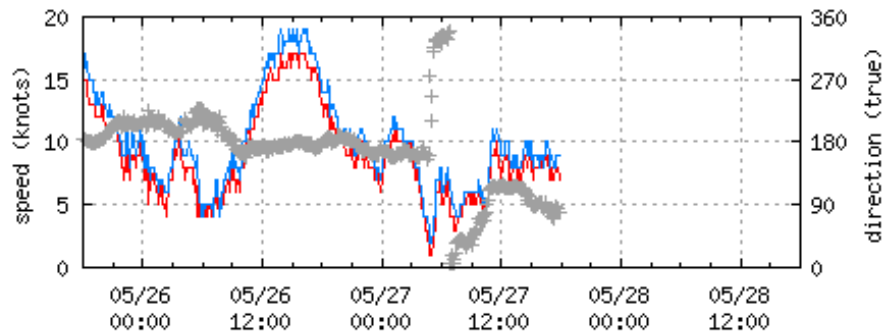
Last Observed Sample: 05/27/2016 17:54 (EDT). Data relative to MHHW

Observed: -3.55 ft. Predicted: -3.88 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/28/2016 00:28 (EDT), -0.11 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Wind Speed / Gusts / Direction

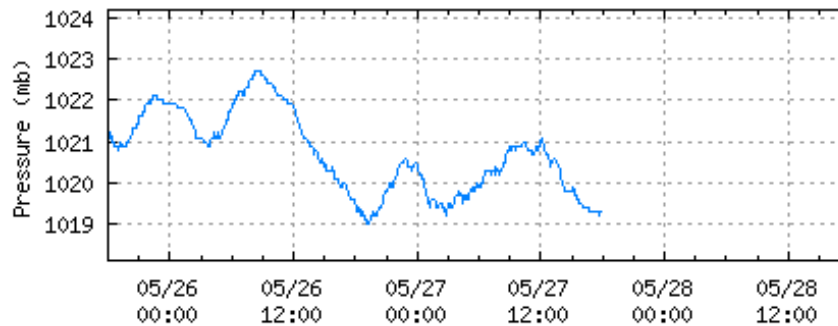


speed — gusts — direction +

Last Observed Sample: 05/27/2016 17:54 (EDT)

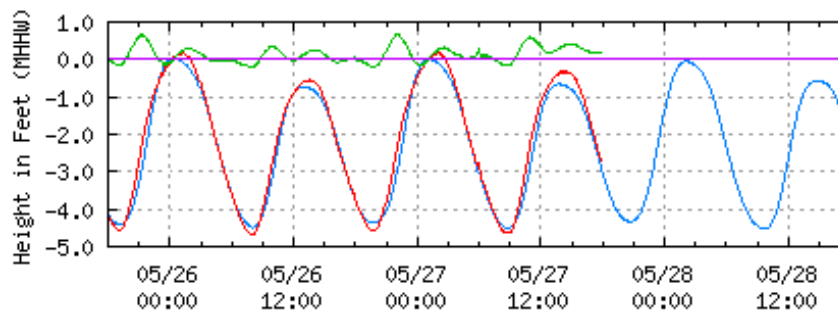
Wind Speed: 7 knots Gusts: 8 knots Direction: 82° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/27/2016 17:54 (EDT)  
Barometric Pressure: 1019.3 mb

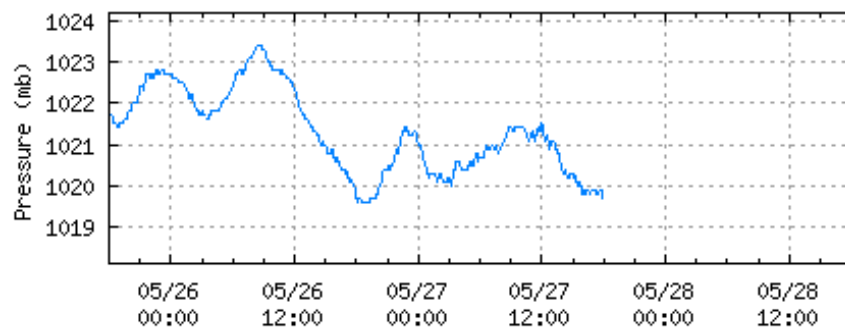
NOAA/NOS/CO-OPS 8658120 Wilmington, NC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/27/2016 17:54 (EDT). Data relative to MHHW  
Observed: -2.76 ft. Predicted: -2.96 ft. Residual: 0.20 ft.  
Historical Maximum Water Level: Oct 15 1954, 3.47 ft.  
Next High Tide: 05/28/2016 02:05 (EDT), -0.05 ft.

NOAA/NOS/CO-OPS 8658120 Wilmington, NC  
Barometric Pressure



barometric pressure —

Last Observed Sample: 05/27/2016 17:54 (EDT)

Barometric Pressure: 1019.7 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8661070	Springmaid Pier, SC	05/27/2016 17:54 (EDT)	-4.53 ft	-4.98 ft	0.45 ft	-0.20 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/27/2016 17:54 (EDT)	-3.96 ft	-4.25 ft	0.29 ft	-0.19 ft
8665530	Charleston, SC	05/27/2016 17:54 (EDT)	-4.55 ft	-5.16 ft	0.61 ft	-0.08 ft
8670870	Fort Pulaski, GA	05/27/2016 17:48 (EDT)	-5.96 ft	-6.34 ft	0.38 ft	-0.06 ft
8658163	Wrightsville Beach, NC	05/27/2016 17:54 (EDT)	-3.55 ft	-3.88 ft	0.33 ft	0.13 ft
8658120	Wilmington, NC	05/27/2016 17:54 (EDT)	-2.76 ft	-2.96 ft	0.20 ft	0.17 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce